

ABSTRACT

[0036] A system for managing memory includes a memory and a memory allocation unit. The memory stores a pool of memory addresses for writing data to the memory and stores a counter value. The memory allocation unit retrieves memory addresses from the pool in response to write requests from data sources. The memory allocation unit further replenishes the memory addresses in the pool when the pool is emptied and increments the counter value in response to each replenishment of the memory addresses in the pool.

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